

Figure 1: Overall Configuration of SAN Infrastructure on Demand (SloD) Service System

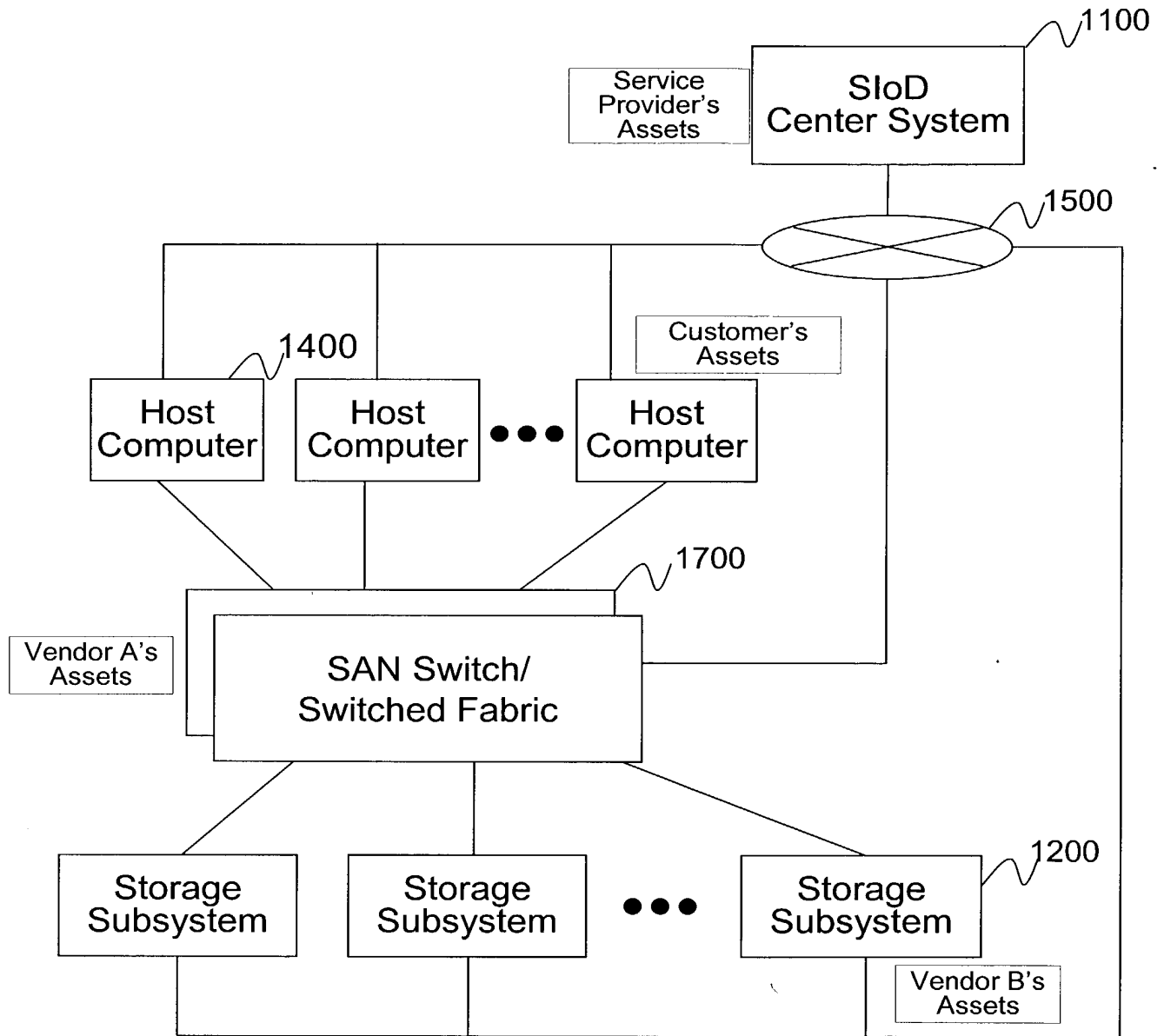


Figure 2: Configuration of SloD Center System 1100

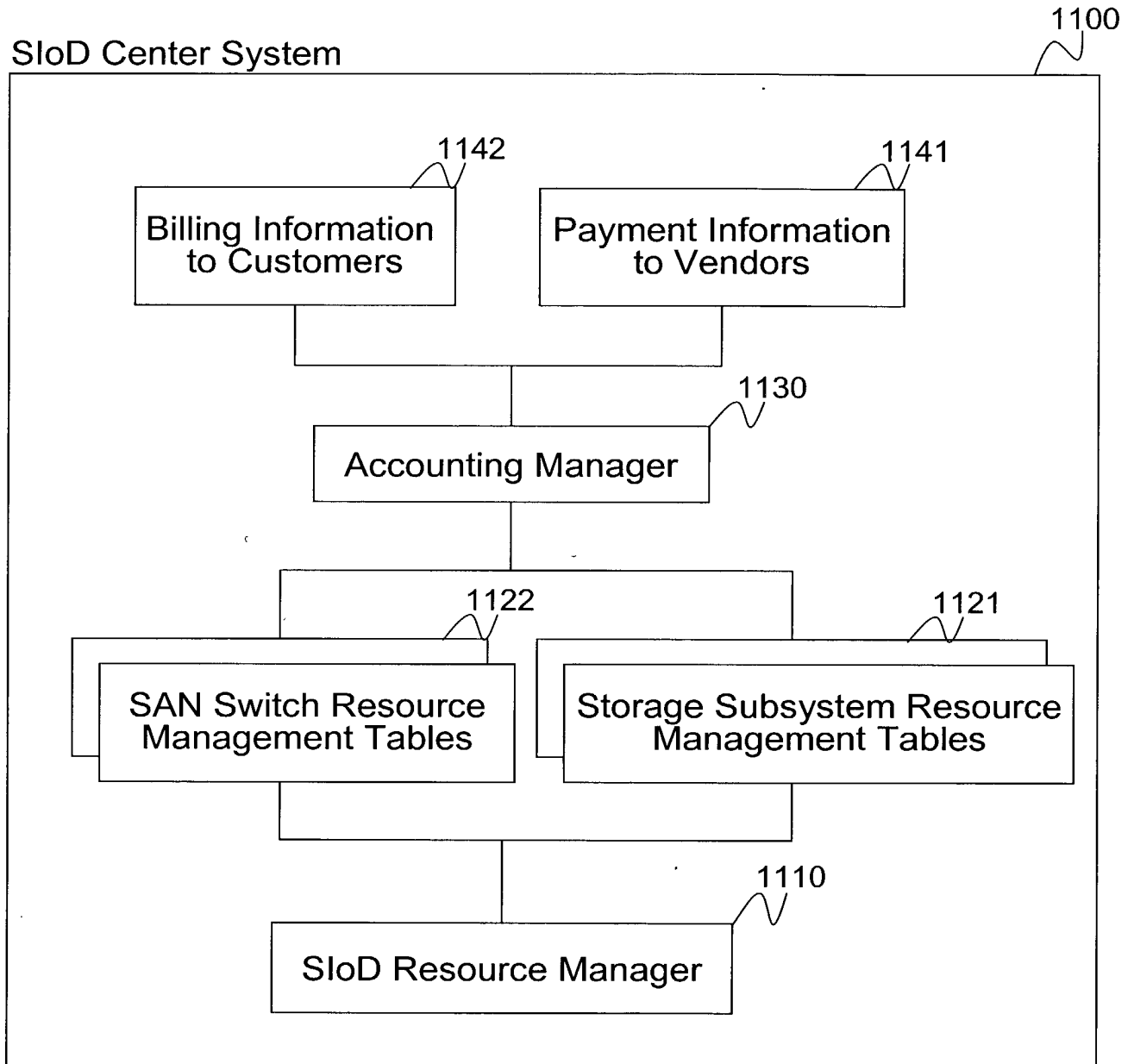


Figure 3: Configuration of Host Computer 1400

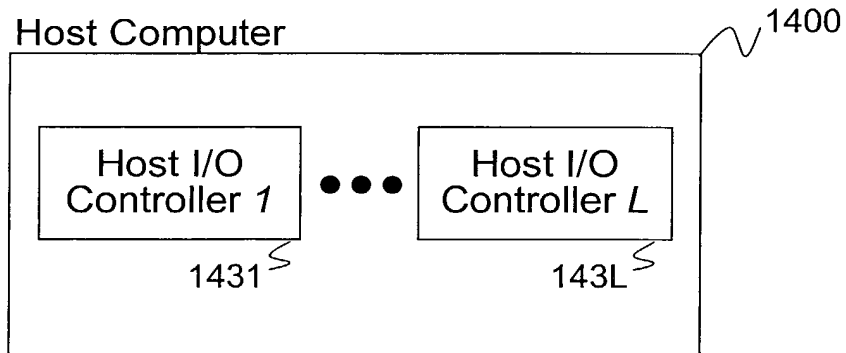


Figure 4: Configuration of SAN Switch 1700

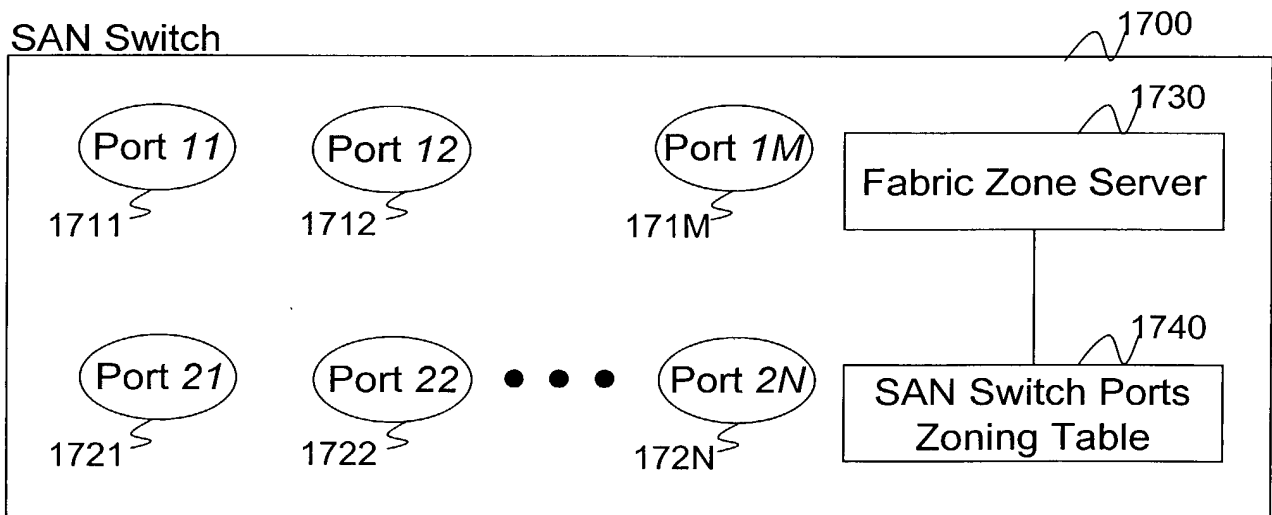


Figure 5: Configuration of Storage Subsystem 1200

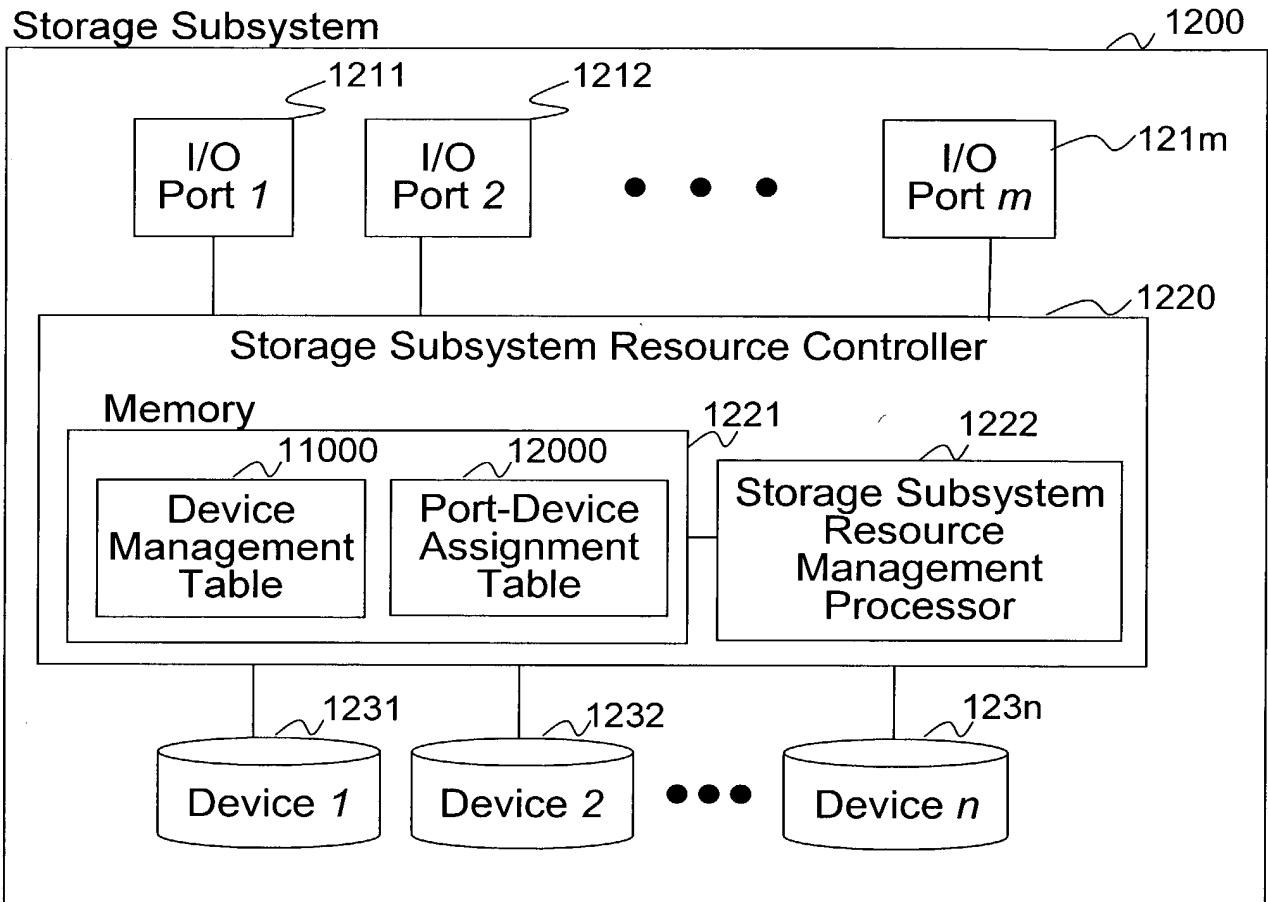
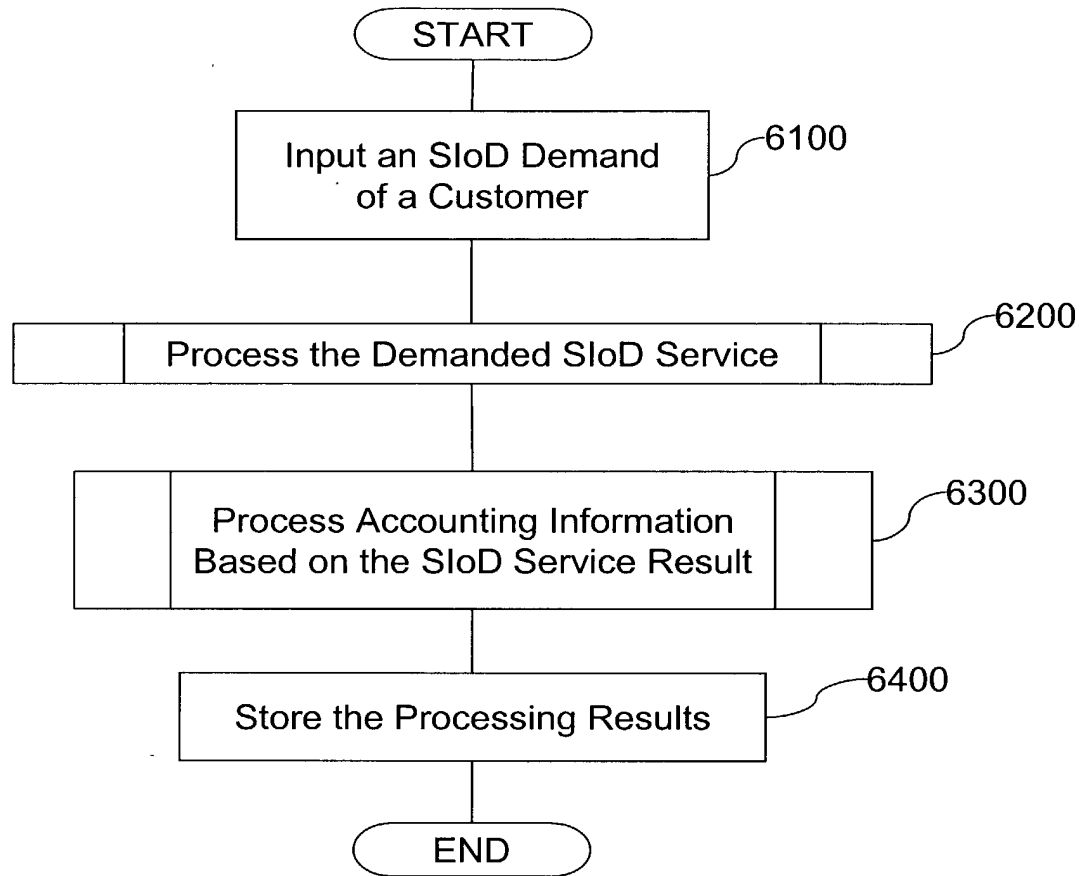


Figure 6: General Processing Flow of SloD Center System 1100



ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED



Figure 8: GUI of SloD Demand Input
(After SloD)

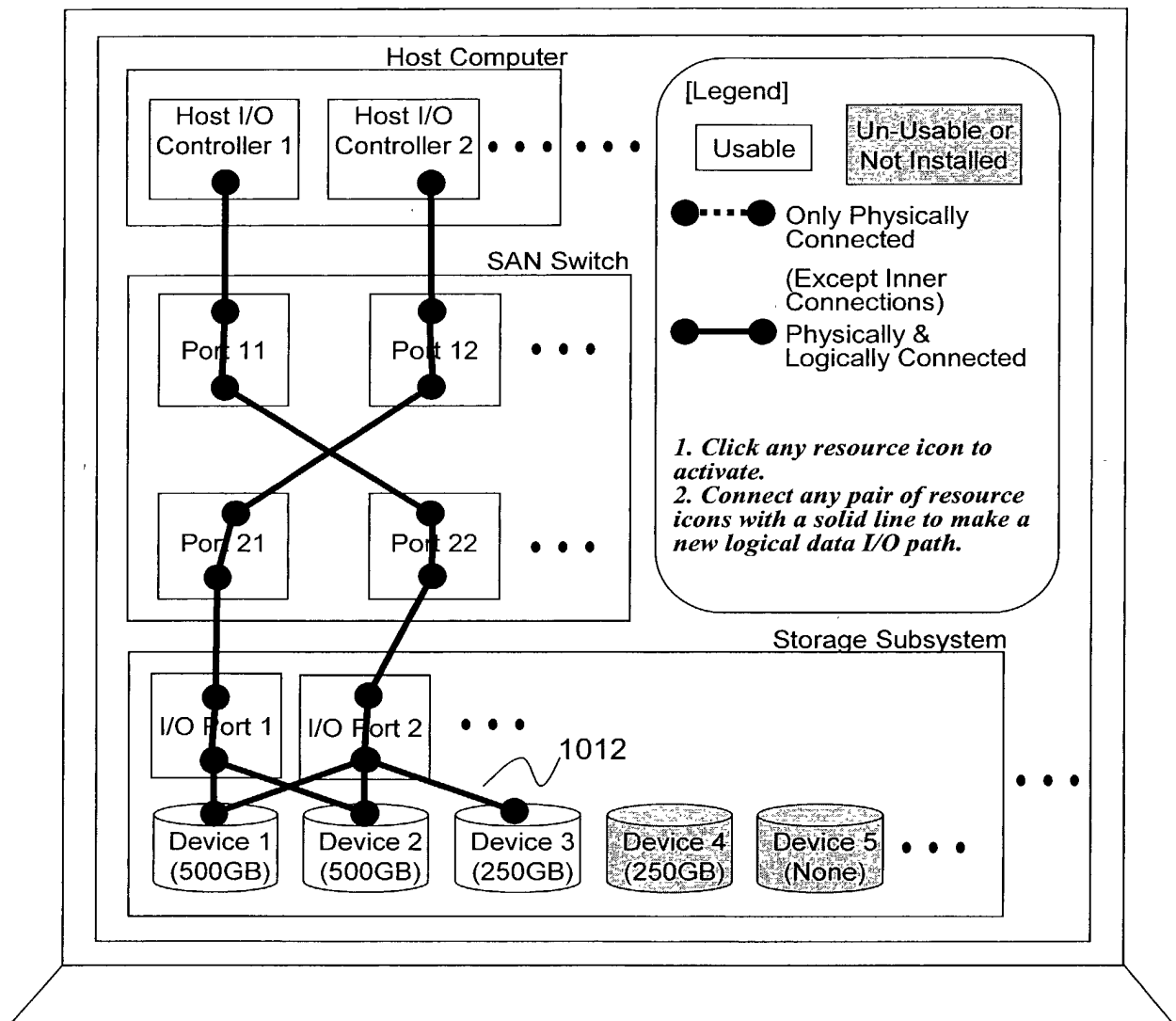


Figure 9: Detailed Processing Flow of Step 6200

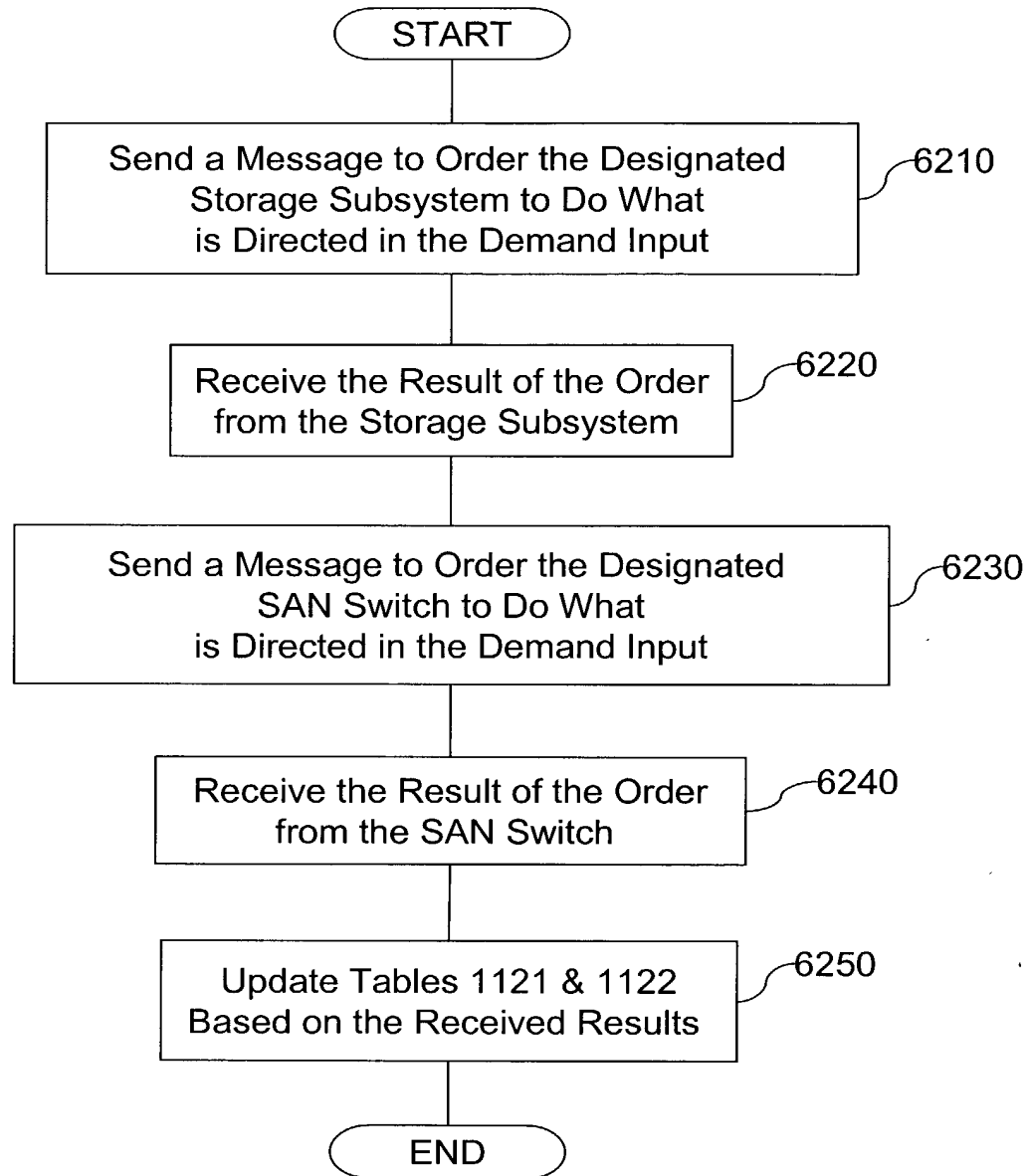


Figure 10: Processing Flow
of Storage Subsystem Resource Management Processor 1222

Figure 11: Device Management Table 11000
(Before SloD Demand Processing)

11010 Device No.	11020 Customer ID	11030 Installation Status	11040 SoD Status	11050 Size
1	676851011	Installed	Usable	500 GB
2	676851011	Installed	Usable	500 GB
3	N/A	Installed	Un-Usable	250 GB
4	N/A	Installed	Un-Usable	250 GB
5	N/A	Not Installed	Un-Usable	N/A
⋮				
n	N/A	Not Installed	Un-Usable	N/A

Figure 12: Device-Port Assignment Table 12000
(Before SloD Demand Processing)

12010 I/O Port ID	12020 Installation Status	12030 Device No.
1211	Installed	1, 2
1212	Installed	None
1213	Not Installed	N/A
⋮		
121m	Not Installed	N/A

Figure 13: Device Management Table 11000
(After SloD Demand Processing)

11010 Device No.	11020 Customer ID	11030 Installation Status	11040 SoD Status	11050 Size
1	676851011	Installed	Usable	500 GB
2	676851011	Installed	Usable	500 GB
3	676851011	Installed	Usable	250 GB
4	N/A	Installed	Un-Usable	250 GB
5	N/A	Not Installed	Un-Usable	N/A
⋮				
n	N/A	Not Installed	Un-Usable	N/A

Figure 14: Device-Port Assignment Table 12000
(After SloD Demand Processing)

12010 I/O Port ID	12020 Installation Status	12030 Device No.
1211	Installed	1, 2
1212	Installed	1, 2, 3
1213	Not Installed	N/A
⋮		
121m	Not Installed	N/A

Figure 15: Processing Flow of Fabric Zone Server 1730

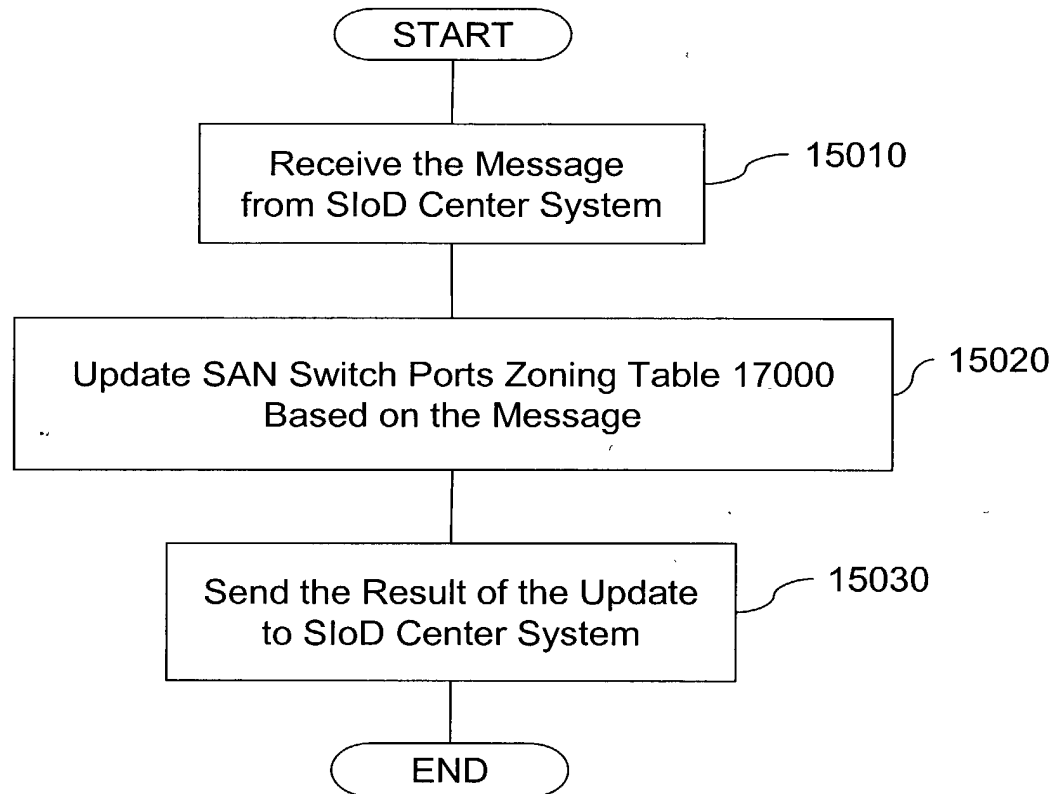


Figure 16: An Example of Changing Zone Setting

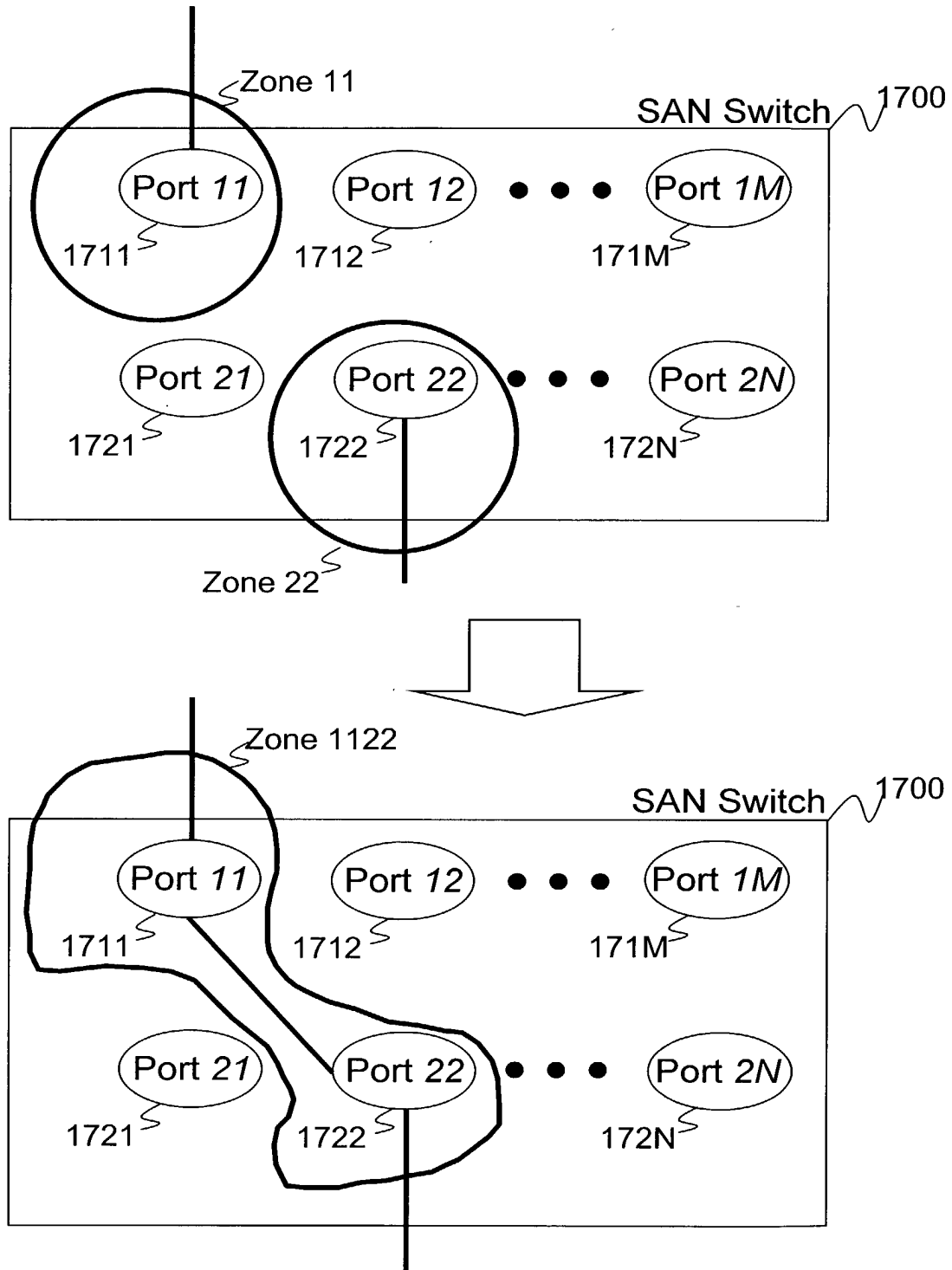


Figure 17: An Example of SAN Switch Ports Zoning Table 17000
(Before SloD Demand Processing)

SAN Switch Port ID	Connected Device ID outside SAN Switch	Connected Ports IDs inside SAN Switch
1711	Host I/O Controller: 1431	None (Isolated)
1712	Host I/O Controller: 1432	1721
	...	
1721	I/O Port: 1211	1712
1722	I/O Port: 1212	None (Isolated)
	...	

Figure 18: An Example of SAN Switch Ports Zoning Table 17000
(After SloD Demand Processing)

SAN Switch Port ID	Connected Device ID outside SAN Switch	Connected Ports IDs inside SAN Switch
1711	Host I/O Controller: 1431	1722
1712	Host I/O Controller: 1432	1721
	...	
1721	I/O Port: 1211	1712
1722	I/O Port: 1212	1711
	...	

Figure 19: Detailed Processing Flow of Step 6300

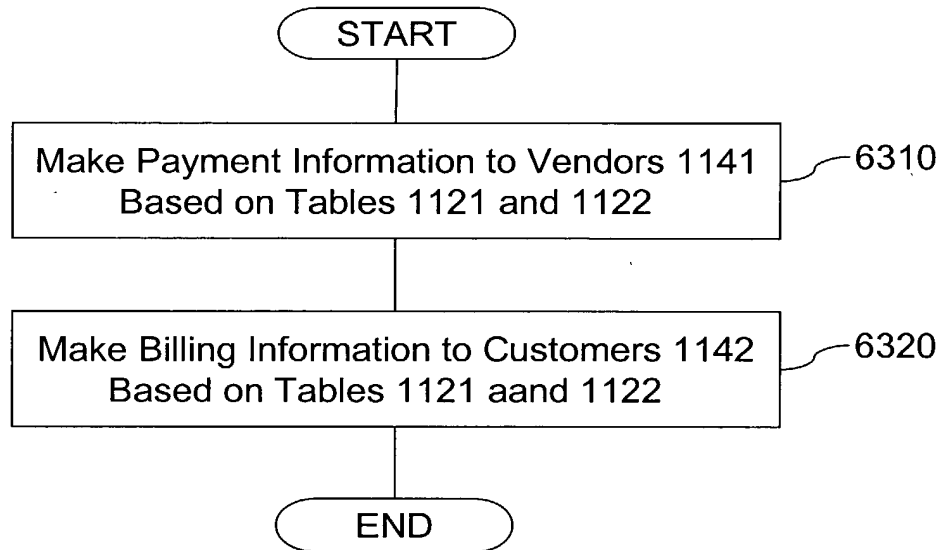


Figure 20: An Example of Billing Information to Customers

Customer ID	SAN Infrastructure Resources		Total Price
	No. of SAN Switch Ports	Storage Capacity	
676851011	4	500 GB	\$200K
	...		

Figure 21: An Example of Payment Information to SAN Switch Vendors

SAN Switch Vendor ID	Total No. of Ports	Total Price
02764995	78	\$840K
	...	

Figure 22: An Example of Payment Information to Storage Subsystem Vendors

Storage Subsystem Vendor ID	Total Storage Capacity	Total Price
03186390	738,000GB	\$6,300K
	...	